

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gil Ben-Menachem et al.
Application No.: 10/550,907

Filed: September 27, 2005

Confirmation No.: 4584

For: CHOLESTEROL-CONTAINING
 COMPOUNDS AND THEIR USE AS
 IMMUNOGENS AGAINST BORRELIA
 BURGDORFERI

Examiner: To be assigned

Art Unit: 1636

Attorney Reference No.: 4239-68220-03

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Attorney or Agent
 for Applicant(s) Maynard L. Payson

Date Mailed August 31, 2006

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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

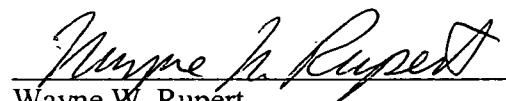
Applicants filed this Information Disclosure Statement (“IDS”) before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>SEP 05 2006</i> <i>SEP 05 2006</i>	Attorney Docket Number	4239-68220-03
	Application Number	10/550,907
	Filing Date	September 27, 2005
	First Named Inventor	Gil Ben-Menachem
	Art Unit	1636
	Examiner Name	To be assigned

Examiner's Initials <i>YQ</i>	Cite No. (optional)	OTHER DOCUMENTS
/SQ/		Alving et al., "Antibodies to Cholesterol, Cholesterol Conjugates and Liposomes: Implications for Atherosclerosis and Autoimmunity," <i>Crit Rev. Immunol.</i> 10:441-453, 1991
		Anspach, "Endotoxin removal by affinity sorbents," <i>J. Biochem. Biophys. Methods</i> 49:665-681, 2001
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		Barbour et al., "Biology of <i>Borrelia</i> Species," <i>Microbiological Reviews</i> 50(4):381-400, 1986
		Beck et al., "Chemical and Biological Characterization of a Lipopolysaccharide Extracted From the Lyme Disease Spirochete (<i>Borrelia burgdorferi</i>)," <i>The Journal of Infectious Diseases</i> 152(1):108-117, 1985
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		Bligh et al., "A Rapid Method of Total Lipid Extraction and Purification," <i>Canadian Journal of Biochemistry and Physiology</i> 37(8):911-917, 1959
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		Dell et al., "F.A.B.-Mass Spectrometry of Carbohydrates," <i>Advances in Carbohydrate Chemistry and Biochemistry</i> 45:19-72, 1987
		Habicht et al., "Lyme Disease Spirochetes Induce Human and Murine Interleukin 1 Production," <i>Journal of Immunology</i> 134(5):3147-3154, 1985
/SQ/		Halter et al., "Lipooligosaccharides from <i>Treponema hyoilectariae</i> and <i>Treponema innocens</i> ," <i>Infection and Immunity</i> 56(12):3152-3156, 1988

EXAMINER SIGNATURE: <i>Sabiha Qazi</i>	/Sabiha Qazi/	DATE CONSIDERED:	03/15/2008
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* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/SQ/		Hirai et al., "Unique Cholestryl Glucosides in <i>Helicobacter pylori</i> : Composition and Structural Analysis," <i>Journal of Bacteriology</i> 177(18):5327-5333, 1995
		Honarvar et al., "A 14,000 MW lipoprotein and a glycolipid-like structure of <i>Borrelia burgdorferi</i> induce proliferation and immunoglobulin production in mouse B cells at high frequencies," <i>Immunology</i> 82:389-396, 1994
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		Rottem, "Sterols and Acylated Proteins in Mycoplasmas," <i>Biochemical and Biophysical Research Communications</i> 292(5):1289-1292, 2002
/SQ/		Sadziene et al., "Experimental Immunization against Lyme Borreliosis with Recombinant Osp Proteins: An Overview," <i>Infection</i> 24(2):195-202, 1996

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/SQ/		Sawardeker et al., "Quantitative Determination of Monosaccharides as Their Alditol Acetates by Gas Liquid Chromatography," <i>Analytical Chemistry</i> 37:1602-1604, 1965
		Srimal et al., "Titration calorimetric studies to elucidate the specificity of the interactions of polymyxin B with lipopolysaccharides and lipid A," <i>Biochem. J.</i> 315:679-686, 1996
		Steere et al., "Chronic Lyme Arthritis. Clinical and Immunogenetic Differentiation from Rheumatoid Arthritis," <i>Annals of Internal Medicine</i> 90:896-901, 1979
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/SQ/		Zähringer et al., "Primary Structure of a New Phosphocholine-containing Glycoglycerolipid of <i>Mycoplasma fermentans</i> ," <i>The Journal of Biological Chemistry</i> 272(42):26262-26270, 1997

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Attorney or Agent
for Applicant(s) Wayne W. Rupert

Date Mailed August 31, 2006

TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

Supplemental Information Disclosure Statement
 Form PTO-1449 and references cited thereon

The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.

Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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